* Fa Examiners Reperence

Claims

1. An intake system for the combustion air of a motor of a hand held implement, comprising:

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an air filter 3 having a dirt chamber 5 and a clean chamber 6 hat is separated from the dirt chamber by a filter medium 27 wherein said clean chamber 6 is fluidically connected with a carburetor 7 of said motor;

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a centrifugal separator 4 that splits an incoming air stream into core flows 9 having a low particle density, and peripheral flows 10 having a high particle density, wherein one of said flows is conveyed to said dirt chamber 5 of said air filter 3, and the other of said flows is discharged, wherein said centrifugal separator 4 includes at least two cyclones 11, and wherein discharge flows from said cyclones are respectively combined in pairs; and

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a common suction tube 21, wherein said paired discharge flows open out into said suction tube.

- 2. An intake system according to claim 1, which includes a dirt collector 16 in which is formed a dirt collection chamber 17 into which said discharge flows open out.
- 3. An intake system according to claim 2, wherein passages 59-64 are formed in said dirt collection chamber 17 and in which said discharge flows are combined, and wherein at least one partition 65, 66 is disposed between two of said passages.
- 4. An intake system according to claim 3, wherein said cyclones 11 are provided with discharge spirals 42, wherein one of said discharge flows is withdrawn from one of said cyclones via a pertaining one of said discharge spirals, and wherein a cross section and length of said passages 59-64 are such

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element 13) for all of said cyclones (11) have an identical design.

An intake system according to claim 10, wherein said air filter 3 js

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cyclones(11)extend parallel to one another and form a common plane.

An intake system according to claim 10, wherein relative to a 20. direction 25 of gravitational force, said intake elements 13 draw in combustion air from above said carbureto 7 of said motor 8.

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